Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/16/2021 08:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125133	0	1.21	125073	1.18
Blue	F	SSC	125000	122032	-3	2.50	122318	2.34
Blue	E	FITC	13131	12659	-4	2.23	292	15.99
Blue	D	PE	24112	23946	-1	1.61	548	10.45
Blue	B	PerCP-Cy5-5	31295	30691	-2	3.09	1014	14.66
Blue	A	PE-Cy7	19939	19673	-2	5.23	523	29.65
Red	C	APC	42122	41215	-3	3.08	1722	11.51
Red	A	APC-Cy7	22340	21591	-4	3.50	808	11.92
Violet	B	V450	7410	7031	-6	4.06	428	12.60
Violet	A	V500	28118	27065	-4	3.67	675	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23238	1.24	568	-1	N/A	N/A	Pass
Blue	F	SSC	56955	1.11	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0381	86	Pass
Blue	D	PE	116	36.61	490	2	0.4840	372	Pass
Blue	B	PerCP-Cy5-5	189	35.94	585	-1	0.0195	59	Pass
Blue	A	PE-Cy7	104	67.02	627	-1	0.0209	0	Pass
Red	C	APC	399	24.10	580	4	0.0275	177	Pass
Red	A	APC-Cy7	181	27.05	554	3	0.0058	567	Pass
Violet	B	V450	59	63.54	458	5	0.0631	2355	Pass
Violet	A	V500	97	34.21	470	5	0.0250	760	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.55	-31.46	1.07
Blue	20.34	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.36	13.60 - 20.40	N/A	N/A	30.01	30.07	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments